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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/784,250

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Yaron Lihod

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07/03/2006

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EXAMINER

OMGBA, ESSAMA

ART UNIT

PAPER NUMBER

3726

DATE MAILED: 07/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/784,250

Applicant(s)

LIHOD, YARON

Examiner

Essama Omgba

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3726

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 February 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. ____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Information Disclosure Statement

1. The listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609.04(a) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered.

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: "spoke base ends 15", "slot 23", "annular ring 5" and "truncated conical extension 7". Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities: on page 10, lines 5-6, the brief description of figure 1 discloses an embodiment of the invention in the "**open**" position, however it appears that in figure 1 the invention is in the "**closed**" position.

Appropriate correction is required.

Claim Objections

4. Claims 1-16 are objected to because of the following informalities: in claim 1, line 7, "a" second occurrence should read --the--; in claim 12, line 3, the phrase "a hydraulic or pneumatic source" should be deleted; in claim 14, line 10, --the-- should be inserted before "slots", and in lines 16 and 19, --a-- should be inserted before "closing device" and "drive mechanism" respectively. Appropriate correction is required.

5. Claim 3 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 3 recites an intended use of the mandrel without any structure that further limits claim 1 from which claim 3 depends.

Reference characters corresponding to elements recited in the detailed description of the drawings and used in conjunction with the recitation of the same

element or group of elements in the claims should be deleted so as to avoid confusion with other numbers or characters which may appear in the claims.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 1-16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claims 1, 10 and 14, the phrase "such as" renders the claims indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

In claim 1, line 19 and claim 14, line 17, it is not clear what is meant by "normally in a closed position". It is not clear how "normal" is defined.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of

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this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. Claims 1-4, 6 and 8-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Boudreault (US Patent 6,976,296).

With regards to claims 1-4 and 6, Boudreault discloses a mandrel for expanding cv boots, the mandrel comprising an annular base section 66 with an opening therein and a plurality of spokes 90, each spoke being movably arranged with respect to the base section to move from a first converged angle to a second open angle and vice versa (col. 1, lines 39-48), the base section comprising a crenellated rim with slots adjacent crenellations (fig. 1), the plurality of spokes being pivotally mounted in the slots between adjacent crenellations of the rims by pins 92 (col. 3, lines 4-5), a closing device 80 in the form of springs exerting tension on the spokes to maintain the mandrel in a closed position or to urge the mandrel to close (col. 3, lines 19-20 and 31-36).

For claim 8, see figure 2.

For claim 9, see column 3, lines 25-27 and figure 1.

For claims 10 and 11, the tool includes a drive mechanism 50 to open the mandrel (col. 3, lines 37-59).

For claim 12, Applicant should note that quick fit connectors for coupling to a hydraulic or pneumatic source are old and well known in the art.

For claim 13, see column 3, lines 37-53.

With regards to claims 14-16, Boudreault discloses a method for installing a cv boot comprising providing a tool including a mandrel having a base section 66 with a

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crenellated rim with slots between adjacent crenellations (fig. 1), a plurality of spokes pivotally mounted in the slots between crenellations by pins 92 and a closing device 80 in the form of a plurality of springs exerting tension on the spokes, the tool comprising a drive mechanism 50 for driving a pneumatically driven piston 52 in contact with the spokes, wherein the cv boot is slid over the plurality of spokes of the mandrel when the spokes are in a closed position, the piston extended to urge the spokes to pivotally diverge outwardly thereby expanding the elastic sleeve, placing the mandrel with the diverged spokes supporting the cv boot over a mechanical joint, and retracting the piston, allowing the elastic cv boot to contract over the mechanical joint, see column 1, lines 22-48 and column 3, lines 19-20 and 37-56.

Allowable Subject Matter

10. Claims 5 and 7 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Essama Omgba whose telephone number is (571) 272-4532. The examiner can normally be reached on M-F 9-6:30, 1st Friday off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bryant can be reached on (571) 272-4526. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Essama Omgba
Primary Examiner
Art Unit 3726

eo

June 24, 2006